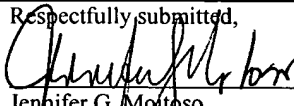
 FEE TRANSMITTAL JUN 09 2005		<i>Complete if Known</i>	
		Application Serial Number	09/422,999
		Filing Date	October 22, 1999
		First Named Inventor	Kawasaki
		Group Art Unit	1646
		Examiner Name	Murphy, J.
		Attorney Docket No.	MIT-103

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																	
1. <input type="checkbox"/> Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other 2. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 50-1721. <input checked="" type="checkbox"/> Required Fees (copy of this sheet enclosed). <input checked="" type="checkbox"/> Additional fee required under 37 CFR 1.16 and 1.17. <input type="checkbox"/> Overpayment Credit. 3. <input type="checkbox"/> Applicant claims small entity status.	3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Large Entity Fee (\$)</th> <th style="width: 15%;">Small Entity Fee (\$)</th> <th style="width: 50%;">Fee Description</th> <th style="width: 20%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>130</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>130</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>2,520</td><td>2,520</td><td>Request for ex parte reexamination</td><td></td></tr> <tr><td>120</td><td>60</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>450</td><td>225</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1020</td><td>510</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1590</td><td>795</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>2160</td><td>1080</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>500</td><td>250</td><td>Notice of Appeal</td><td></td></tr> <tr><td>500</td><td>250</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1000</td><td>500</td><td>Request for oral hearing</td><td></td></tr> <tr><td>400</td><td>400</td><td>Petitions to the Commissioner (Gp. I)</td><td></td></tr> <tr><td>200</td><td>200</td><td>Petitions to the Commissioner (Gp. II)</td><td></td></tr> <tr><td>130</td><td>130</td><td>Petitions to the Commissioner (Gp. III)</td><td></td></tr> <tr><td>180</td><td>180</td><td>Submission of Information Disclosure Statement</td><td>180.00</td></tr> <tr><td>790</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>790</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>100</td><td>100</td><td>Certificate of Correction for applicant's error</td><td></td></tr> <tr><td>130</td><td>65</td><td>Submission of Terminal Disclaimer</td><td></td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td><td></td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td><td></td></tr> </tbody> </table>	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	130	65	Surcharge - late filing fee or oath		50	25	Surcharge - late provisional filing fee or cover sheet		130	130	Non-English specification		2,520	2,520	Request for ex parte reexamination		120	60	Extension for reply within first month		450	225	Extension for reply within second month		1020	510	Extension for reply within third month		1590	795	Extension for reply within fourth month		2160	1080	Extension for reply within fifth month		500	250	Notice of Appeal		500	250	Filing a brief in support of an appeal		1000	500	Request for oral hearing		400	400	Petitions to the Commissioner (Gp. I)		200	200	Petitions to the Commissioner (Gp. II)		130	130	Petitions to the Commissioner (Gp. III)		180	180	Submission of Information Disclosure Statement	180.00	790	395	Filing a submission after final rejection (37 CFR 1.129(a))		790	395	For each additional invention to be examined (37 CFR 1.129(b))		100	100	Certificate of Correction for applicant's error		130	65	Submission of Terminal Disclaimer		Other fee (Specify)				Other fee (Specify)																								
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CORRESPONDENCE ADDRESS Direct all correspondence to: Patent Administrator Kirkpatrick & Lockhart Nicholson Graham LLP 75 State Street Boston, MA 02109-1808 Tel. No.: (617) 261-3100 Fax No.: (617) 261-3175	SIGNATURE BLOCK Respectfully submitted,  Date: June 9, 2005 Reg. No.: 51,752 Tel. No.: (617) 261-3285 Fax No.: (617) 261-3175 Jennifer G. Moltoso Attorney for the Applicants Kirkpatrick & Lockhart Nicholson Graham LLP 75 State Street Boston, MA 02109-1808																																																																																																																	



PATENT
Attorney Docket No. MIT-103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Kawasaki et al.

SERIAL NO.: 09/422,999 GROUP NO.: 1646

FILING DATE: October 22, 1999 EXAMINER: J. Murphy

TITLE: Genes Integrating Signal Transduction Pathways

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUBMISSION OF PAPER COPY AND/OR COMPUTER-READABLE COPY
OF SEQUENCE LISTING FOR INVENTION
CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE

Sir:

1. ☐ This replies to the U.S. Patent and Trademark Office letter dated

☐ A copy of the letter is enclosed.

2. Submitted herewith is/are

(check each item as applicable)

A. ☒ a paper copy of the Sequence Listing for this application with each sequence assigned a separate identifier.

B. ☒ a copy, in computer-readable form, of the Sequence Listing for this application.

Applicants respectfully request entry of the sequence listing submitted herewith to replace the sequence listing currently on file.

STATEMENT

3. I hereby state that:

(complete applicable items A, B and/or C)

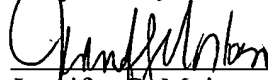
- A. ☒ the content of the paper and computer readable copies submitted herewith are the same.
- B. ☐ the content of the computer-readable copy submitted herewith is the same as that of the Sequence Listing submitted on October 22, 1999.
- C. ☒ this submission includes no new matter.

Applicants believe no fee is required at this time. Nevertheless, if a fee is due, please debit deposit account No. 50-1721.

Dated: June 9, 2005
Reg. No. 51,752

Tel. No.: (617) 261-3285
Fax No.: (617) 261-3175

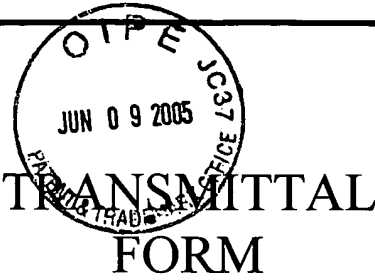
Respectfully submitted,



Jennifer G. Moitoso
Attorney for Applicants
Kirkpatrick & Lockhart
Nicholson Graham, LLP
75 State Street
Boston, Massachusetts 02109

6-10-05

Express Mail Label No.: EV 596440795US



Application Serial Number	09/422,999
Filing Date	October 22, 1999
First Named Inventor	Kawasaki
Group Art Unit	1646
Examiner Name	J. Murphy
Attorney Docket No.	MIT-103
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input checked="" type="checkbox"/> Copy of Fee Transmittal Form <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citation <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Sequence Listing submission <input checked="" type="checkbox"/> Paper Copy/CD <input checked="" type="checkbox"/> Computer Readable Copy <input checked="" type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Supplemental Executed <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input type="checkbox"/> Additional Enclosure(s) (please identify below)
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CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
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 Boston, MA 02109-1808
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SIGNATURE BLOCK

Respectfully submitted,

 Date: June 9, 2005
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 Fax No.: (617) 261-3175
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 Attorney for the Applicants
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